

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\YY112621\  
 Data File : VY006892.D  
 Acq On : 26 Nov 2021 10:28  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 29 03:01:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 75    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.540  | -5.1   | 80    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.156  | -4.3   | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.575  | 0.8#   | 74    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 56.707  | -13.4  | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.534  | 4.9    | 70    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 56.591  | -13.2  | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.117  | -6.2   | 76    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.107  | -8.2   | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.754  | -5.5   | 77    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 174.271 | 30.3#  | 59    | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.855  | -7.7#  | 81    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 414.225 | -65.7# | 109   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.129  | -6.3   | 79    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 262.840 | -5.1   | 70    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 260.755 | -4.3   | 67    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.916  | 0.2    | 75    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.857  | 0.3    | 67    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.055  | -10.1  | 77    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.783  | -5.6   | 78    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.812  | -5.6   | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.218  | -6.4   | 77    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 268.858 | -7.5   | 74    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.135  | -6.3   | 80    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 231.389 | 7.4    | 62    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 57.291  | -14.6  | 86    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.553  | -9.1   | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.163  | 7.7    | 69    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 246.315 | 1.5    | 63    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 56.299  | -12.6# | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.424  | 1.2    | 77    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 56.822  | -13.6  | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.821  | -9.6   | 78    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 74    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.819  | -7.6   | 77    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.062  | -8.1   | 79    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.152  | -2.3   | 67    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 58.577  | -17.2  | 86    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.532  | -7.1   | 79    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.165  | -10.3  | 81    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 31.778  | 36.4#  | 43    | -0.03    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 57.326  | -14.7  | 81    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.864  | -3.7   | 68    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.266  | -10.5  | 82    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.399  | -6.8#  | 78    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.178  | -8.4   | 76    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.325  | -6.7   | 77    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.321  | -2.6   | 67    | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.    | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1085.056 | -8.5   | 73    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 54.661   | -9.3   | 78    | 0.01     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 203.576  | 18.6   | 51    | 0.01     |
| 52 CM | Toluene                     | 50.000   | 56.228   | -12.5# | 82    | 0.01     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.795   | -9.6   | 76    | 0.01     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.666   | -5.3   | 76    | 0.01     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.798   | -11.6  | 81    | 0.01     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.877   | 2.2    | 67    | 0.02     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.049   | 1.9    | 74    | 0.01     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 233.928  | 6.4    | 64    | 0.01     |
| 59 T  | 2-Hexanone                  | 250.000  | 194.934  | 22.0   | 62    | 0.02     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.812   | -13.6  | 80    | 0.02     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.293   | -10.6  | 77    | 0.01     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.715   | -11.4  | 79    | 0.02     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 76    | 0.02     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.819   | -13.6  | 82    | 0.01     |
| 65 PM | Chlorobenzene               | 50.000   | 55.363   | -10.7  | 84    | 0.02     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 56.891   | -13.8  | 84    | 0.01     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.582   | -11.2# | 84    | 0.02     |
| 68 T  | m/p-Xylenes                 | 100.000  | 112.272  | -12.3  | 84    | 0.02     |
| 69 T  | o-Xylene                    | 50.000   | 54.717   | -9.4   | 83    | 0.02     |
| 70 T  | Styrene                     | 50.000   | 55.188   | -10.4  | 82    | 0.02     |
| 71 P  | Bromoform                   | 50.000   | 60.047   | -20.1  | 86    | 0.02     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 76    | 0.03     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.283   | -10.6  | 83    | 0.02     |
| 74 T  | N-amyl acetate              | 50.000   | 37.320   | 25.4#  | 50    | 0.02     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.718   | 2.6    | 65    | 0.02     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.475   | -5.0   | 69    | 0.03     |
| 77 T  | Bromobenzene                | 50.000   | 59.262   | -18.5  | 88    | 0.02     |
| 78 T  | n-propylbenzene             | 50.000   | 54.763   | -9.5   | 80    | 0.02     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.542   | -11.1  | 81    | 0.02     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.236   | -12.5  | 83    | 0.02     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.752   | 2.5    | 63    | 0.02     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.842   | -7.7   | 79    | 0.02     |
| 83 T  | tert-Butylbenzene           | 50.000   | 58.490   | -17.0  | 87    | 0.02     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.821   | -11.6  | 82    | 0.03     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.119   | -12.2  | 82    | 0.03     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 56.694   | -13.4  | 84    | 0.03     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 57.338   | -14.7  | 87    | 0.03     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.590   | -11.2  | 85    | 0.03     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.465   | -6.9   | 76    | 0.03     |
| 90 T  | Hexachloroethane            | 50.000   | 52.866   | -5.7   | 79    | 0.04     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.331   | -6.7   | 79    | 0.04     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.119   | 1.8    | 65    | 0.05     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.698   | 6.6    | 70    | 0.09     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.214   | 3.6    | 75    | 0.10     |
| 95 T  | Naphthalene                 | 50.000   | 46.046   | 7.9    | 62    | 0.10     |

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MSVOA\_Y  
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.497 | 7.0  | 68    | 0.11     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6